AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated in the following listing of all claims:

1. (Currently amended) A method of configuring a communication link interface in a first device, the method comprising:

setting a transmit width of a transmit portion of the link interface for transmitting to a second device based on a usable transmit width;

setting a receive width of a receive portion of the link interface for receiving from the second device based on a usable receive width,

wherein the transmit and receive widths are separately specified.

2. – 7. (Canceled)

8. (Currently Amended) A communication link interface in a first device comprising:

a transmit controller to transmit data [[over]] from a transmit portion of the link interface over a communication link coupling the first and a second device, wherein a width of data transmitted is set according to a value held in a programmable transmit width register; and

a receive controller to receive data from the second device over the communication link into [[over]] a receive portion of the link interface, wherein a width of data received is set according to a value held in a separately programmable receive width register.

9. (Previously presented) The communication link interface as in claim 8, wherein:

the value held in the programmable transmit width register indicates a usable transmit width; and

the value held in the programmable receive width register indicates a usable receive width.

10. (Currently amended) The communication link interface as in claim 9, wherein the usable transmit width is the lesser of a maximum transmit width of the transmit portion of the

link interface and a maximum receive width of a receive portion of another communication link interface in the second device.

11. (Original) The communication link interface as in claim 9, wherein the usable receive width is the lesser of a maximum receive width of the receive portion of the link interface and a maximum transmit width of a transmit portion of another communication link interface.

12. (Original) The communication link interface as in claim 8, further comprising:

a maximum transmit width register indicating a physical width of the transmit portion of the link interface; and

a maximum receive width register indicating a physical width of the receive portion of the link interface.

13. (Currently amended) A communication link interface comprising:

means for setting a transmit width of a transmit portion of the link interface based on a usable transmit width; and

means for setting a receive width of a receive portion of the link interface, separately from setting the transmit width, based on a usable receive width.

14. (Original) The communication link interface as in claim 13, wherein the usable transmit width is the lesser of a maximum transmit width of the transmit portion of the link interface and a maximum receive width of a receive portion of another communication link interface.

15. (Original) The communication link interface as in claim 13, wherein the usable receive width is the lesser of a maximum receive width of the receive portion of the link interface and a maximum transmit width of a transmit portion of another communication link interface.

16. (Original) The communication link interface as in claim 13, further comprising:

means for providing a maximum transmit width for use in determining the usable transmit width; and

means for providing a maximum receive width for use in determining the usable receive width.

17. (Previously presented) The communication link interface as in claim 13, further comprising:

means for providing a maximum transmit width for use in determining a usable receive width of another communication link interface; and

means for providing a maximum receive width for use in determining a usable transmit width of another communication link interface.

18. (Canceled)

19. (Previously presented) The interface as in claim 8, wherein the width of the data transmitted and the width of the data received are separately specified.

20. (Canceled)

21. (New) The method as in claim 1, wherein the usable transmit width is the lesser of a maximum transmit width of the transmit portion of the link interface and a maximum receive width of a receive portion of another communication link interface in the second device; and wherein the usable receive width is the lesser of a maximum receive width of the receive portion of the link interface and a maximum transmit width of a transmit portion of the other communication link interface.

22. (New) The method as in claim 1 wherein the usable transmit width is received from an external source.

23. (New) The method as in claim 1, further comprising:

providing a maximum transmit width for use in determining the received usable transmit width; and

providing a maximum receive width for use in determining the received usable receive width.

24. (New) The method as in claim 1, further comprising:

providing a maximum transmit width for use in determining a usable receive width of another communication link interface; and

providing a maximum receive width for use in determining a usable transmit width of another communication link interface.

25. (New) The method as in claim 1, further comprising:

setting the transmit width to a default value prior to determining the usable transmit width; and

setting the receive width to a default value prior to receiving the usable receive width.

26. (New) A method for configuring a point to point communication link coupling a first and a second device, the method comprising:

configuring a first communication link interface in the first device, the configuring including,

setting a transmit width of a transmit portion of the first communication link interface based on a lesser of a maximum transmit width of the transmit portion of the first communication link interface and a maximum receive width of a receive portion of a second communication link interface in the second device; and

setting a receive width of a receive portion of the first communication link interface, separately from setting the transmit width, based on a lesser of a maximum receive width of the receive portion of the first communication link interface and a maximum transmit width of a transmit portion of the second communication link interface.

27. (New) The method as recited in claim 26 further comprising:

configuring the second communication link interface in the second device, the configuring including,

setting a transmit width of a transmit portion of the second communication link interface based on a lesser of a maximum transmit width of the transmit portion of the second communication link interface and a maximum receive width of a receive portion of the first communication link interface; and

setting a receive width of a receive portion of the second link interface separately from setting the transmit width based on a lesser of a maximum receive width of the receive portion of the second communication link interface and a maximum transmit width of the transmit portion of the first communication link interface.